

CLAIMS

1. An electro-acoustic converter comprising:
 - a magnetic circuit;
 - 5 a frame bonded to the magnetic circuit;
 - a diaphragm bonded to a circumferential edge of the frame;
 - a voice coil attached to the diaphragm in a manner that a part thereof is located in a magnetic gap of the magnetic circuit;
 - a terminal made of a sheet metal having spring property and electrical
 - 10 conductivity, a part of the terminal being fixed to the frame and electrically connected to the voice coil, the terminal having a bent portion and a contact portion for connection to an external circuit; and
 - a stopper provided around a portion of the sheet metal constituting the terminal at one side nearer to the frame than the bent portion, the stopper protruding from a surface
 - 15 of the frame where the contact portion of the terminal protrudes, whereby the stopper being configured to restrict bending of the sheet metal constituting the terminal within a threshold value of reversibility of a material of the metal.
2. The electro-acoustic converter according to claim 1, wherein the stopper
- 20 protrudes substantially perpendicularly from the surface of the frame where the contact portion of the terminal protrudes.
3. The electro-acoustic converter according to claim 1, wherein an edge face of the stopper opposite to a surface of the frame where the contact portion side of the
- 25 terminal protrudes is substantially parallel to the surface of the frame where the contact portion side of the terminal protrudes.
4. The electro-acoustic converter according to claim 1, wherein the stopper is one of a plurality of stoppers, and the terminal is provided with the plurality of stoppers.

5. The electro-acoustic converter according to claim 1, wherein the stopper has two surfaces with an angle greater than 0° but less than 180° formed therebetween when viewed toward the surface of the frame where the contact portion side of the terminal protrudes.

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6. The electro-acoustic converter according to claim 5, wherein the two surfaces are substantially orthogonal with respect to each other.

7. The electro-acoustic converter according to claim 1 further comprising a reinforcing rib formed substantially in parallel with a direction in which the stopper protrudes from the frame.

8. An electronic device comprising:
an electro-acoustic converter having;
15 a magnetic circuit;
a frame bonded to the magnetic circuit;
a diaphragm bonded to a circumferential edge of the frame;
a voice coil attached to the diaphragm in a manner that a part thereof is located in a magnetic gap of the magnetic circuit;
20 a terminal made of a sheet metal having spring property and electrical conductivity, a part of the terminal being fixed to the frame and electrically connected to the voice coil, the terminal having a bent portion and a contact portion for connection to an external circuit; and
a stopper provided around a portion of the sheet metal constituting the terminal at one side nearer to the frame than the bent portion, the stopper protruding from a surface of the frame where the contact portion of the terminal protrudes, whereby the stopper being configured to restrict bending of the sheet metal constituting the terminal within a threshold value of reversibility of a material of the metal, and
25 an electronic circuit connected electrically with the electro-acoustic converter via the contact portion, electronic circuit being configured to supply electric power to the
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electro-acoustic converter.